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## LARUE COUNTY

### (Larue County Water Service Area Map)

- Estimated 1999 population of 13,100--60% on public water
- Estimated 2020 population of 14,700--65% on public water
- 235 miles of water lines
- Estimated funding needs for public water 2000-2005--\$0
- Estimated funding needs for public water 2006-2020--\$0

Larue County had an estimated population of 13,069 (5,482 households) in 1999 with a projected population of 14,703 (6,564 households) in 2020. Public water is provided to 3,200 customers, or about 60 percent of the county's residents. In areas of the county not served by public water, about 6 of 7 households rely on private domestic wells and 1 of 7 households rely on other sources.

### *Estimated Costs - Proposed Projects, 2000-2020*

*All Lines Funded*

## PUBLIC WATER SYSTEMS

Larue County Water District #1, the City of Hodgenville, and 2 non-community systems presently provide public water to the residents of Larue County.

### **LARUE COUNTY WATER DISTRICT #1**

PWSID:..... 0620237  
System Type:..... COMMUNITY  
Owner Type:..... WATER DISTRICT  
Surface Source:  
Purchase Source:  
Well Source:  
Sells Water to:  
Treatment Plant Capacity (MGD):..... 0.00  
Percent Daily Average Production:..... 0.00  
Total Tank Storage Capacity (gallons):..... 100,000.00  
Total Service Connections: ..... 18,310.00  
Number of Employees:..... 5.00  
Treatment Operator Class: ..... 2D  
Distribution Operator Class:  
Customer Rate for 1,000 Gallons:..... 4.61  
O/M costs 1997:..... 327,535.00  
O/M costs per Service Connection: ..... 180.96  
Net Revenue 1997:..... 37,343.00

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# WATER SERVICE AREAS

## LARUE COUNTY

### Kentucky

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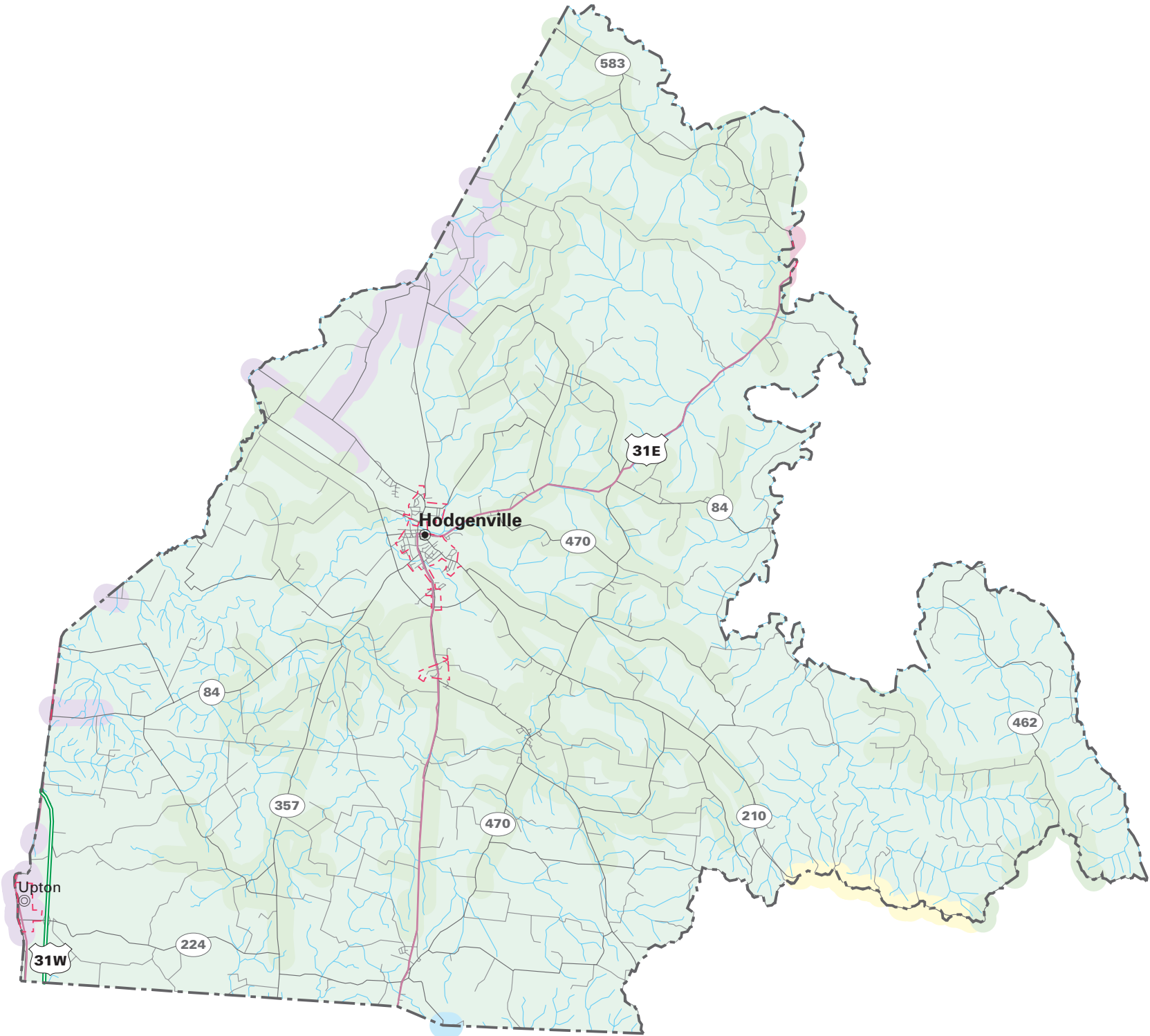
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#### WATER SERVICE STATUS BY OWNER

EXISTING SERVICE AREA	PROPOSED SERVICE AREA	
		LARUE COUNTY WATER DISTRICT #1
		HARDIN COUNTY WATER DISTRICT #2
		GREEN TAYLOR WATER DISTRICT
		GREEN RIVER VALLEY WATER DISTRICT
		CITY OF NEW HAVEN

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Total Water Produced 1997 (gallons):.....	0.00
Water Sold 1997 (gallons):.....	118,839,000.00
Unaccounted-for Water 1997 (%): .....	5.07

Larue County Water District purchases its water from two primary sources: the City of Hodgenville and Green River Valley Water District, with four additional sources: the City of Bardstown, the City of New Haven, the City of Campbellsville and Hardin County Water District #2. According to the respective Water Supply Plans this represents an adequate supply of water. The District currently services 1,831 customers in Larue County. Two of the water districts that provide water to Larue County residents operate their own water treatment plants. The City of Hodgenville Water Treatment Plant has a treatment capacity of 500,000 gallons per day. In 1995 the plant treated an average of 406,000 gallons per day, or roughly at 81% capacity. The City of Hodgenville is currently in the process of upgrading its water treatment plant, this should alleviate an problems with diminished capacity. The Green River Valley Water District Treatment Plant has a treatment capacity of 4.0 million gallons per day and averaged 2,692,589 gallons treated per day or roughly 67% of capacity. As these are the two primary sources of water for Larue County Water District #1 and, as a whole, they are adequate enough to account for treated water for the LCWD #1. The District's storage system consists of five storage tanks located at various points within its service area. The total storage capacity of the district is 513,000 gallons

After the Western Larue Water Expansion Project is completed, there will be one area impractical for public water. This area is located in extreme eastern Larue County bordering on Marion County. According to the Larue County Water District #1 manager, this area is not serviceable because of cost constraints and topography. The Western Larue Water Expansion Project has already received funding.

Currently there are 1,831 customers. After completion of the proposed project there will be approximately 2,231 total customers in Larue and Nelson Counties.

#### **HODGENVILLE WATER WORKS**

PWSID: .....	0620200
System Type:.....	COMMUNITY
Owner Type: .....	MUNICIPAL
Surface Source:.....	NORTH FORK NOLIN RIVER
Purchase Source:	

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Well Source:  
Sells Water to:  
Treatment Plant Capacity: ..... 0.504  
Percent Daily Average Production: ..... 93.00  
Total Tank Storage Capacity: ..... 0.00  
Total Service Connections: ..... 1335.00  
Number of Employees: ..... NA  
Treatment Operator Class: ..... 2D  
Distribution Operator Class: ..... 3A  
Customer Rate for 1,000 Gallons: ..... NA  
O/M costs 1997: ..... NA  
O/M costs per Service Connection: ..... NA  
Net Revenue 1997: ..... NA  
Total Water Produced 1997: ..... NA  
Water Sold 1997: ..... NA  
Unaccounted-for Water 1997: ..... NA

## OTHER SYSTEMS

### **SLEEPY HOLLOW MOTEL & MARKET**

Sleepy Hollow Motel & Market is located in Larue County. The system serves a population of 50 and has 1 service connection. The private, transient, non-community system has treatment capacity of 7,200. The water source is wells.

### **STUCKEY PECAN SHOP**

Stuckey Pecan Shop is located in Larue County. The private, transient, non-community system serves a population of 75 and has 1 service connection.

## PRIVATE DOMESTIC SYSTEMS

About 5,100 people in Larue County rely on private domestic water supplies: 4,400 on wells, and 700 on other sources.

In the western and central two-thirds of Larue County except in the lowlands of Nolin River and its major tributaries, about three-fourth of the wells drilled yield enough water for a domestic supply. In the rest of the county very few wells yield enough water for a domestic supply except in a few lowland areas bordering streams where yields are sufficient for a few wells to meet the supply needs for domestic use.

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Springs with flows ranging from a few gallons per minute too 1330 gpm are found throughout the county. Many of the springs are of the depression type and yield more than 100 gpm when pumped.

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